

AFMG will supply a time limited full version of EASE for the seminar. Registered participants will be given instructions on how to down-load and licence the training version before the seminar begins. Bring your lap-top with the training version installed and running so we can be off to a flying start.

Day 1

- Introduction & overview of EASE system capabilities and AFMG family of software products
- Model Construction
- Basics – getting started EASE Program structure – Main window, edit module, viewing modules, database modules, calculating modules
- Options in Main and edit modules – menu conventions & shortcuts
- Building a model from scratch - Selection construction items - Shortcuts and tools for unusual shapes - Closing the room - Model detailing - Locating and closing holes - Single and double coat faces - Using the databases
- The Import/ export module – Autocad dxf & Sketchup import/export Table reserved in Bistro.

Dinner Table reserved in Bistro. We recommend you purchase from the venue's menu.

Day 2

- Installing Loudspeakers – what the dimensions and settings mean – pitfalls to avoid
- Mapping Loudspeakers – Direct SPL – Total SPL – other measures
- Loudspeaker cluster building – using SPK data files – using GLL files
- Loudspeaker formats in EASE SPK & GLL – Speakerbuilder / SpeakerLab – FIRmaker
- Special Items – objects tables etc.
- Detailed Mapping features - when to use interference – noise settings – calculating dB(A) – distribution – saving mapping
- Dinner Table reserved in Bistro. We recommend you purchase from the venue's menu.
- Evening Session
- Loudspeaker basics – direct sound – reverberant sound – loudspeaker interference – comb filtering – acoustic coupling – room modes in action – boundary effects - measuring techniques – Sound Level meter, RTA, Windowed measurements

Day 3

- Key Acoustic Principles – absorption – scattering – reverberation defined and calculated – required T60 for different uses – how T60 affects sound system design Noise and typical sound levels - Speech Intelligibility – what it means – how it's measured – what the measuring equipment is doing – how it relates to building acoustics
- Acoustic Modelling – scattering – material selection – methods of calculation
- Ray Tracing – different methods and their values
- The AURA Module – capabilities of the hybrid system- unique calculations
- Auralisation - using EARS – using custom files Review of some of the authors' models – what works – what does not work.

Day 4

- A half day on site for those who are able to stay.
- A free tour of a local House of worship with difficult acoustics – how it was modelled – how it sounds now and how it sounds with other loudspeakers.